Secure Cryptographic Enablement Components According To The Current Invention

FIGURE 1
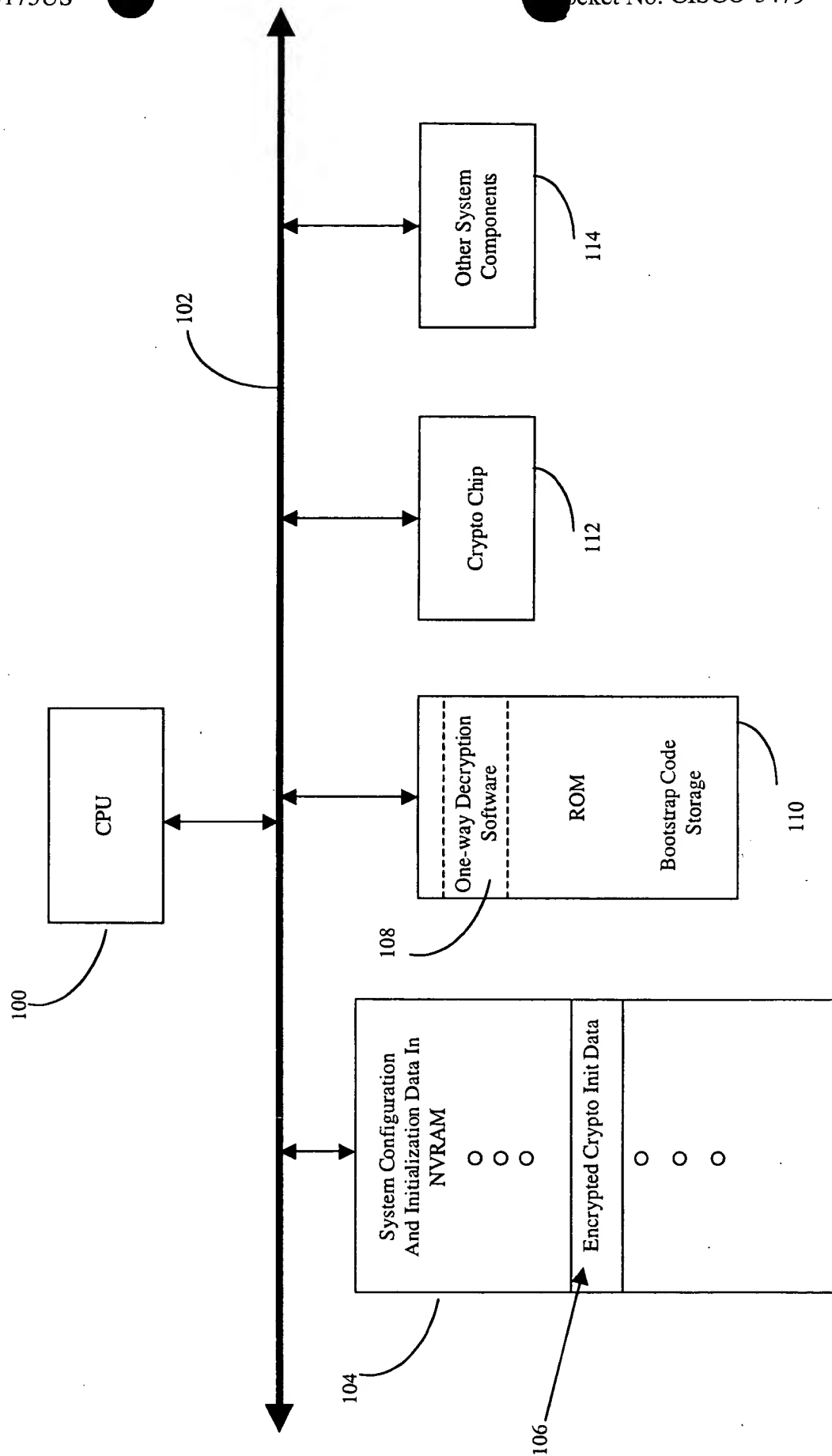
CPU — 100

One-way Decryption Software — 108

ROM

Bootstrap Code Storage — 110

Crypto Chip — 112

Other System Components — 114

102

System Configuration And Initialization Data In NVRAM — 104

○ ○ ○

Encrypted Crypto Init Data — 106

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FIGURE 2

Method According To The Present Invention

200 — Identify Highest Level Of Cryptographic Support Available On System

202 — Use Identified Crypto Level And Algorithm To Encrypt Token; Use MAC Address For Seed When Generating Keys; Use Public Key To Encrypt

204 — Store Encrypted Token In Non-volatile Memory

206 — During Initial Stages Of System Initialization Use MAC Address To Generate Private Key With Identified Crypto Level And Algorithm

208 — Decrypt Store Token

210 — Expected Format?

YES — 212 — Initialize Cryptographic Level As Specified

NO — 214 — Do Not Initialize Cryptographic Capabilities; Set Warning